



SIDE -VIEW

Scale: 1 1/2" = 1'-0"

### DATA SCHEDULE

Type	Sole Plate			Masonry R			Hole Loc. Hgt.		Loads (Kips)	
	A	B	C	A	B	D	E	F	Vert.	Dead
SF50 - I	17	9	1	17	9	1	6 1/2	2	70	16
SF50 - II	19	9	1	19	9	1	7 1/2	2	85	23
SF50 - III	21	9	1	21	9	1	8 1/2	2	100	34

Note: All dimensions are in inches.

#### Note:

- Sole and masonry plates to be ASTM A 709 Grade 50 steel painted to match finished bridge color.
- Fill slots and holes around anchor bolts with nonhardening caulking compound or elastic joint sealer.
- 1000 RMS (Finish all over) except where otherwise noted.
- Design Bearing Load 0.7 KSI.
- Top of sole plate must be beveled to fit grade of bottom flange. If sole plate must be beveled, dimension 'C' shall be measured at  $\phi$  of bearing.
- Unless otherwise noted, bearings shall be placed normal to  $\phi$  of stringer.
- Plates are to be shipped as units.
- If more than one size bearing is called for, Contractor may furnish all bearings of the larger size provided the bearing pads are altered to accommodate same. No increase in any prices bid will be allowed if this option is selected.
- This bearing for use on simple span steel stringer bridges less than 50'-0" long and/or comparable continuous span lengths.
- All anchor bolts and washers shall be unpainted ASTM A 709 Grade 36 galvanized steel. All nuts shall be unpainted ASTM A 307 galvanized steel.

#### APPROVAL

*L. S. Fisher* DIRECTOR  
OFFICE OF BRIDGE DEVEL.

DATE: 11/19/99

#### REVISIONS

SHA FHWA  
1-22-01

FHWA APPROVAL

DATE:

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF BRIDGE DEVELOPMENT

FIXED BEARING  
SHORT LENGTH SPANS  
(GRADE 50 STEEL)

STANDARD NO. BR-SS(9.08-99-338

SHEET 2 OF 2

SUPER - BEARINGS